Federal Energy Management Program

Agency ESCO Forum

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Final Proposal

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The Final Proposal

- Integration of the IDIQ, TO RFP, IGA, and financing terms
- Technical aspects
 - ECMs feasibility, energy savings calculations, implementation costs, annual cost savings
 - M&V methodology and energy/O&M baselines
 - Project intent document and Cx plan outline
 - Management plan
- Pricing
 - TO schedules
 - Level of supporting detail as per TO RFP
 - Financing Summary

Contents of Final Proposal

- Technical
 - ECMs
 - M&V Plan
 - Commissioning Plan
- Management Approach
- Pricing (next module)
- Financing (next module)

Management Plan

- ESCO's organizational structure
- Risk & Responsibility Matrix
- Proposed level of O&M services
 - Does it address site needs?
- Proposed repair and replacement services
 - Do responsibilities meet site requirements?
- Project management approach and project timeline
 - Are they well-suited for successful implementation?

Energy and Cost Savings

- For each ECM, the final proposal must provide
 - Projected energy savings
 - Projected energy cost savings
 - Projected energy-related cost savings
- Review estimated savings calculations carefully
 - Basis of contractually guaranteed savings

Estimated Savings and Guaranteed Savings

- ESCOs (almost) never guarantee 100% of estimated
- Guaranteeing less than 100% of estimated savings is a safety net for ESCO and agency
- Portion guaranteed depends on complexity of ECMs, predictability of savings, M&V type, O&M/R&R, other

O&M Savings

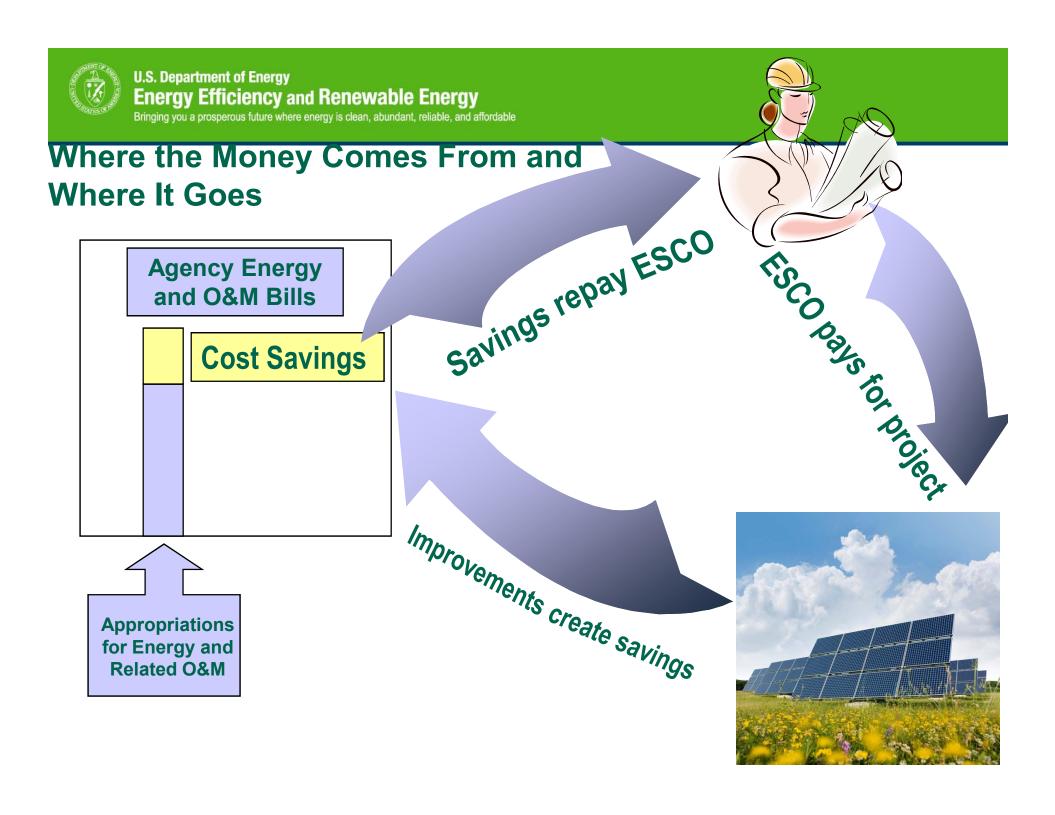
- Defined: A reduction in costs for operation and/or maintenance resulting from installation of new ECMs
- Always verify that ESCO complied with agency guidance on treatment of O&M savings
- Savings for both labor and materials are acceptable



Task Order Financial Schedules They're the Real Deal

All costs appear in the TO schedules, and we will show you where.

- TO-1 Guaranteed Annual Cost Savings & Annual Contractor Payments (Savings and payments listed by year)
- TO-2 Implementation Price for ECMs (Investment costs)
- TO-3 Performance-Period Cash Flow (Financing info, annual cash flows)
- TO-4 First-Year Energy & Cost Savings by ECM and Technology Category (Savings breakout by ECM)
- TO-5 Annual cancellation ceilings



What is included in the payments?

- Debt service (principal & interest) to repay the financier for the up-front money used by the ESCO to develop and implement the project
- Payments to the ESCO for performance-period services assigned to the ESCO in the delivery order
 - M&V, O&M, R&R
 - Insurance, training, taxes



Financed Costs of ESPC Project Development and Implementation

Amount financed =

- (Project development expense) + (indirect, profit)
- (ECM design/construction expense) + (indirect, profit)
- Financing procurement price (FPP)
- Minus any payments from appropriations

The Private-Sector Financier's Perspective

- After TO award, provides funds to ESCO for construction
- During construction period
 - Financier receives payments of interest only for period up to project acceptance
 - (Financed funds are held in escrow until drawn down by ESCO)
- After project acceptance Receives payments of principal and interest until total debt is paid off



Federal Customer's Perspective



- May schedule savings that accrue during construction period as one-time payment to ESCO
- Makes no payments until operating project is accepted by government
- After project is accepted, savings accumulate and agency makes payments

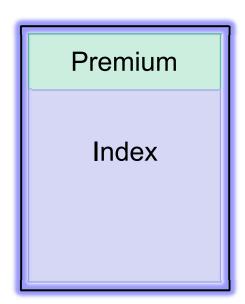
Understanding the Interest Rate

Components of the interest rate:

Index Interest Rate

+ Premium

Total Interest Rate



The Index Interest Rate

- Index interest rate largest component
 - Represents the prevailing cost of money in the financial markets
 - Changes day to day
 - Any standard index acceptable to both agency and ESCO can be used
 - Like-term U.S. Treasury
 Securities is one possibility
- Web sources for rates
 - www.bloomberg.com
 - www.federalreserve.gov/releases/h15/current

Premium

Index

The Premium

Premium — Basis points added to index rate (1%)

= 100 basis points)

Premium covers

Lender's costs (legal fees, administration, e...

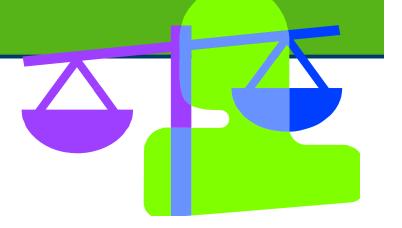
Hedges to lock rate in advance of closing (or instead)

Lender's perception of risk

Premium

Index

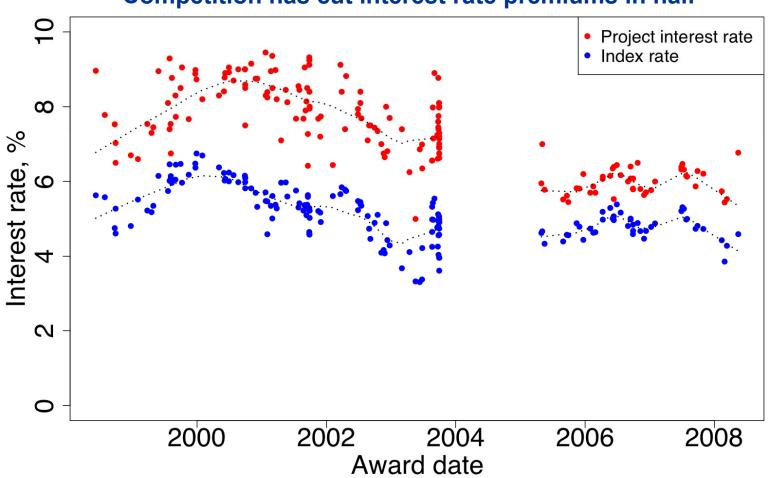
Competition in Super ESPC Financing



- Beginning in 2005, Super ESPC ESCOs have been required to solicit competitive financing offers
- Process and templates are defined in the contract
- Financing costs declined significantly
- Selection of financing is still the ESCO's responsibility

With Financing, Competition Works

Competition has cut interest rate premiums in half



IDS and SFO Ensure that Offers are Directly Comparable

- Financiers make offers using Standard Financing Offer (SFO)
- Required contents:
 - Narrative description of financing package
 - Itemization of total amount financed
 - Period of time that offer will be honored
 - Other terms

Selection and Certification

- ESCO selects financing and provides a certified selection memo documenting process and rationale for selection
- Final proposal (and TO schedules) are based on selected offer
- Final proposal includes IDS, SFO for the selected offer, and Certified Selection Memorandum
- Selected financing offer in final proposal is evaluated by FEMP ESPC Team